

# FLUID AGITATOR AND CONDITIONER

## ABSTRACT OF THE DISCLOSURE

An electromechanical apparatus and method are disclosed for agitating and conditioning fluids such as paint, polish, dyes, and the like in containers. An electrical motor generates a rotational driving force, which is reduced by a pulley system and applied to a cam drive shaft. The cam drive shaft rotationally drives a drive cam, which contains an offset drive dog. The drive cam mechanically engages and cooperates with a drive block via the drive dog to convert the rotational driving motion to a driving motion having rotational and reciprocal components. This driving motion is applied to a drive shaft, which in turn is coupled to a holder for a fluid container. The driving motion induces a vortex-like action in a fluid contained in the container thereby agitating and conditioning the fluid.

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